

Title (en)
PLASMA ENGINE

Title (de)
PLASMAMOTOR

Title (fr)
MOTEUR À PLASMA

Publication
EP 2751392 A2 20140709 (DE)

Application
EP 12759622 A 20120821

Priority
• AT 12402011 A 20110830
• AT 2012050116 W 20120821

Abstract (en)
[origin: WO2013029077A2] Described is an engine having a piston (3) and having a working chamber (4, 5) via which the piston (3) can be subjected to load, wherein at least one supply duct for a gaseous working medium is provided which issues into the working chamber (4, 5), in which supply duct or working chamber (4, 5) there is arranged at least one ionization device (10) for ionizing the working medium and for generating a plasma from the working medium situated in the working chamber (4, 5). To realize advantageous structural conditions, it is proposed that the ionization device has a housing (17) which encases an electrode (15) of the ionization device at least in sections, wherein the housing (17) has at least one intake opening and at least one outlet opening for the working medium.

IPC 8 full level
F01C 9/00 (2006.01)

CPC (source: EP)
F01C 9/002 (2013.01); **H05H 1/54** (2013.01); **F05C 2203/02** (2013.01)

Citation (search report)
See references of WO 2013029077A2

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
WO 2013029077 A2 20130307; WO 2013029077 A3 20140123; AT 511615 A4 20130115; AT 511615 B1 20130115; EP 2751392 A2 20140709

DOCDB simple family (application)
AT 2012050116 W 20120821; AT 12402011 A 20110830; EP 12759622 A 20120821